DEPARTMENT OF THE NAVY
SPACE AND NAVAL WARFARE SYSTEMS COMMAND
WASHINGTON, D.C. 20363-5100

SPAWARINST 5200.20B
SPAWAR 003-413
14 July 1987

SPAWAR INSTRUCTION 5200.20B

From: Commander, Space and Naval Warfare Systems Command

Subj: IMPLEMENTATION OF GOVERNMENT-INDUSTRY DATA EXCHANGE PROGRAM (GIDEP)

Ref: (a) OPNAV INSTR 5200.29 dated 24 Feb 87   (R)
      (b) Government-Industry Data Exchange Program Policies and
          Procedures Manual dated Oct 78
      (c) MIL-STD-1556B

Encl: (1) Contract Clause for GIDEP Implementation   (R)
      (2) Partial Listing of Data Item Description Having Potential
          GIDEP Application

1. **Purpose.** To implement reference (a) and the Government-Industry   (R)
Data Exchange Program (GIDEP) within the Space and Naval Warfare Systems
Command.

2. **Cancellation.** NAVELEXINST 5200.20A dated 4 December 1981 is cancelled.

3. **Background**

   a. GIDEP is a Joint Logistics Commander sponsored, Navy managed,
cooperative activity among participants in government and industry seeking
to reduce or eliminate duplicative testing, and wasted manpower, time and
effort by making maximum use of existing knowledge. Revised procedures,
expanded numbers of government and industry participants, and substantial
increases in sources of data have brought vast improvements in the operation
of this data exchange service.

   b. GIDEP provides four major data banks (engineering data,
reliability/maintainability data, metrology data, and failure experience
data) located at the GIDEP Operations Center in Corona, California. The
GIDEP data bank includes information on equipment manufacturing processes,
calibration procedures, metrology, test equipment information and related
technical test data. The GIDEP Operations Center also provides general
technical reports.

   c. GIDEP specifically has not required or accepted classified or
proprietary data, and has not required participants to generate any data
not required by some other portion of the applicable contract. GIDEP
is simply a mechanism to ensure that applicable technical data, which
is generated during the life of a contract, or the life-cycle of systems

and equipments being developed "in-house," is captured and expeditiously distributed throughout the technical community for effective utilization. GIDEP is specifically not applicable to distribution of government specifications.

4. Applicability. This instruction applies to all SPAWAR activities   (R) involved in research, development, design, engineering and production of mission-related Navy material, and fleet modernization programs support. (Mission-related material is that material which must operate to accomplish the specific mission of a system, subsystem or piece of equipment developed and procured for the use and support of U.S. Naval forces.)

5. Objectives

    a. Facilitate direct communications among technical personnel working on related problems.

    b. Expedite research and development projects by avoiding unnecessary repetition of completed tasks.

    c. Reduce or eliminate duplicative expenditures for the testing of parts and components and for the preparation of test equipment calibration procedures.

    d. Make available reliability/maintainability and failure experience data on both piece parts and equipments.

    e. Provide advance notification of possible part and component failures.

    f. Promote standard procedures for reporting test information.

    g. Provide for the exchange of test equipment information, calibration procedures and related metrology, and test systems data.

    h. Assist in more cost-effective parts selection through access to a broader range of test data.

    i. Provide a failure experience data bank on parts, components, and materials to identify defective/suspect items and preclude their entry into new equipment designs.

    j. Provide a source of general parts and components test data during all stages of the procurement cycle.

    k. Promote American industry technical communication and provide for the transfer of technology to American industry in the interest of the national economy.

6. Definitions

a. Government-Industry Data Exchange Program (GIDEP). A cooperative activity between government agencies and industry participants concerned with the acquisition, storage, retrieval, and dissemination of reliability, test, and usage information on parts and components; test equipment information; calibration procedures and related metrology data; and other reliability, maintenance and maintainabilty data obtained in the development, testing, production, and field operation of mission-related material. GIDEP will also accommodate such other technological data as are of interest to the GIDEP participants. Government specifications, contractor proprietary data, and classified information are not within the scope of GIDEP.

b. GIDEP Program Manager. The officer designated to be responsible for, and exercise executive authority over, the planning, direction, and operation of GIDEP. In accordance with the provisions of reference (b), the program manager for GIDEP at the Department of Defense level is supplied by the Office of the Assistant Secretary of the Navy, Shipbuilding and Logistics.

c. GIDEP Operations Center. The facility which performs the routine program operations and implements the functions of GIDEP as directed by the GIDEP program manager. Management of such operations of the program as the development of administrative and operational procedures, as well as all data collection, storage, processing, computerization, microfilming, and distribution are conducted through this office. The Operations Center is located at the facilities of the Naval Fleet Analysis Center, Corona, California.

d. GIDEP Coordinator. The individual assigned by SPAWAR to ensure effective implementation of GIDEP, and to provide continuing GIDEP coordination and monitoring of functions. The coordinator is the GIDEP focal point and provides advice, assistance, and direction to GIDEP representatives and others concerning the implementation of GIDEP within SPAWAR. The coordinator's function is one of management, coordination, and monitoring and is provided management oriented information and support services by the GIDEP Operations Center.

e. GIDEP ALERT. An objective failure information report generated by a GIDEP participant whenever significant problems are identified on parts, components, processes or materials usually requiring expeditious corrective action.

f. GIDEP Data Bank

(1) Engineering Data Bank (EDB) - contains engineering evaluation and qualification test reports, nonstandard parts justification data, parts and materials specifications, manufacturing processes, failure

analysis data, and other related engineering data on parts, components, materials, manufacturing processes, systems, and equipments. The bank also includes sections containing reports on:

- Lasers/Masers
- Human Engineering
- Time/Frequency Standards and Navigation/Communication Systems Sources, etc.
- Safety and Health (i.e., Aerospace, Aviation, Fire, Hardware, etc.)
- Communications, (i.e., Satellite, Sonar, Radar, Radio, Fiber Optics, etc.)
- Antennas (i.e., General Technology, Beacon, Communications)
- Computers

The EDB is available on 16MM microfilm cartridges. The data bank is supplemented with computerized and hard copy index, abstracts, and hard copy summary sheets.

(2) Metrology Data Bank (MDB) - contains related metrology and engineering data on test systems, calibration systems, measurement technology and test equipment calibration procedures. The MDB is available on 16MM microfilm cartridges. The data bank is supplemented with a computerized hard copy index.

(3) Failure Experience Data Bank (FEDB) - contains objective failure information generated when significant problems are identified on parts, components, processes, fluids and materials, and safety information. The FEDB is computerized to provide selected indexes and summaries of the source data collected.

(4) Reliability-Maintainability Date Bank (RMDB) - contains failure rate/mode and replacement rate data on parts and components based on field performance information and/or reliability demonstration test of equipment, subsystems and systems. Reports and source data are contained on 16MM microfilm cartridges.

h. Other GIDEP Service. GIDEP has on file numerous National Bureau of Standards (NBS) documents on 24X microfiche, which are available on request from GIDEP. Two Indexes: (1) Section One - NBS Keyword and (2) Section Two - Document Number, are available in SPAWAR 003-413.

7. Policy. It is the policy of the Commander, Space and Naval Warfare Systems Command that:

a. All contracts for research, design, development, production or testing of mission-related material, wherein the contract amount exceeds $500,000 shall contain the contract clause of enclosure (1).

b. All SPAWAR Project Offices/SPAWAR 30 and 003 Directorates shall participate directly in GIDEP in accordance with the policies and procedures contained in references (b) and (c).

c. All SPAWAR field activities directly engaged in research, design, development, production or testing of mission-related material shall participate directly in GIDEP in accordance with references (a) and (b) of the instruction. Each such activity shall appoint a GIDEP representative at the appropriate organization level to ensure effective participation in GIDEP in accordance with reference (b).

d. Each SPAWAR field activity not directly engaged in research, design, development, production or testing of mission-related material, but which is responsible for the acquisition of such material and/or services, where costs may exceed $500,000 shall appoint a GIDEP representative and participate in GIDEP in accordance with this instruction, using reference (b) as a guidance/background document.

e. All contractual data required to support GIDEP shall be selected from the data requirements generated by the program/project office. Acquisition of technical data solely for the use of GIDEP is not authorized by SPAWAR. GIDEP input will be accomplished by entering GIDEP as an addressee on the appropriate DD 1423, Contract Data Requirements List (CDRL).

f. All GIDEP significant information generated by SPAWAR field activities will be reported promptly to the GIDEP Operations Center via the cognizant GIDEP representative.

8. Action

a. SPAWAR-003 has been tasked the responsibility of the GIDEP Program for SPAWAR Headquarters. SPAWAR-003 has designated 003-413E as the SPAWAR Headquarters Coordinator/Representative and which shall:

(1) Provide overall supervision and administration of SPAWAR participation in GIDEP.

(2) Designate in writing to the Office of the Assistant Secretary of the Navy SL one individual as the SPAWAR GIDEP Representative to the Assistant Secretary of the Navy SL GIDEP Implementation Board.

(3) Arrange for training and demonstrations related to GIDEP as required, so that all SPAWAR activities are made aware of the data available, how data is submitted, and how data is received from the GIDEP Operations Center.

(4) Audit and monitor SPAWAR implementation of GIDEP participation and institute appropriate corrective action where necessary.

(5) Distribute GIDEP administrative guidance and technical material including ALERTS and SAFE ALERTS.

b. **The Assistant Commander for Contracts (SPAWAR 12) shall:**

(1) Ensure that all SPAWAR contracts for research, development, design, production or testing of mission-related material, wherein the contract amount exceeds $500,000, contain the clause presented herein as enclosure (1), and advise SPAWAR 003-413 of any variances for resolution prior to issuance of a solicitation.

(2) Provide assistance to each Project/Acquisition Manager in relation to the above mentioned contracts, to ensure that contractual provisions included for GIDEP participation are adequate and constitute binding requirements on the contract recipient.

c. **SPAWAR PD and PMW Offices shall:**

(1) Appoint a person who will be responsible for coordination and supervision within your office to ensure internal compliance with this instruction as well as reference (a).

(2) Ensure that acquisition personnel identify all data listed on the procurement's CDRL that will support the GIDEP Program and require that one copy of each appropriate item be forwarded to the GIDEP Operations Center. The four areas of primary concern to GIDEP are testing, nonstandard parts, reliability, calibration and metrology. Enclosure (2) is a list of data item descriptions (DIDs) for the type of data which, if required by the contract, shall be forwarded to GIDEP. In the case of non-mandatory participants, these DIDs should be considered for voluntary forwarding to GIDEP.

(3) Include enclosure (1), contract clause, in all contracts meeting the criteria stated in paragraph 7a above.

(4) Route all solicitations/contracts that exceed $500,000 through SPAWAR 003-413 to ensure that the CDRL reflects incorporation of the GIDEP Program requirements.

(5) Ensure that the GIDEP Operations Center is furnished one copy of the executed contract.

(6) Monitor cognizant contractor compliance with GIDEP participation requirements to ensure effective implementation; to ensure that required data is being properly submitted to the GIDEP Operations Center; and to ensure that GIDEP "ALERT" information is being properly utilized.

(7) Establish controls to ensure that a review of the GIDEP data banks is made to determine availability of data and procedures prior to any testing of parts or components or writing of any calibration procedures.

d. SPAWAR Field Activities shall:

(1) Designate a GIDEP representative who will be responsible for coordination and supervision to ensure internal compliance with this instruction as well as reference (a). A single representative may be responsible for both the technical data and calibration portion of GIDEP, or a separate representative for calibration procedures may be named.

(2) Forward an application for participation in GIDEP (with information copy to SPAWAR 003-413) directly to the GIDEP Operations Center. The application shall give the name(s) and complete mailing address and telephone number of the designated representative(s) and shall identify the type of microfilm reader-printer (i.e., make and model) available at the activity and the data interchange desired (e.g, engineering, reliability, metrology, etc). Forward application to:

> Officer in Charge (Code 805)
> GIDEP Operations Center
> Corona, California 91720
>
> Telephone: Commercial (714) 734-4677
>   AUTOVON   933-4677

(3) Implement GIDEP participation in accordance with applicable paragraphs of this instruction and reference (b). Submission of testing, reliability, calibration and metrology data to the GIDEP Operations Center is of prime concern.

(4) SPAWAR field activities not directly engaged in the research, design, development, production, or testing of mission-related materials, but which are responsible for the acquisition of such materials and/or services and meeting the criteria stated in paragraph 7d above, shall implement participation in the GIDEP Program in accordance with applicable paragraphs of this instruction.

(5) Return promptly to the GIDEP Operations Center all material (i.e., policy and procedures manual, microfilm reels, microfiche, etc.) whenever a designated individual ceases to function as a GIDEP representative.

Distribution:
(See next page)

J. C. WEAVER
By direction

7

Distribution:
SPAWAR List 5

SNDL PART II:
FKQ (SPAWAR ACTIVITIES)

Copy to:
SNDL Part II:
C84B (NAVMATDATASYSGRU and FLTAC 805 only)
FKA1G(SEA 902 only)
FKM27(NPPSDO - 2 copies)

Stocked:
SPAWAR 18-511 (25 copies)

CONTRACT CLAUSE
GOVERNMENT-INDUSTRY DATA EXCHANGE PROGRAM
GIDEP

In each contract executed for the design, development, production, and/or   (R)
testing of mission-related material that exceeds $500,000 in total
estimated value, the following clause is to be incorporated:

GIDEP PROGRAM

a.   The contractor shall provide and maintain procedures to
enable his full participation in the Government-Industry
Data Exchange Program (GIDEP) in accordance with MIL-STD-
1556 (insert date of MIL-STD in effect on the date of the
contract). Compliance with this clause shall not relieve
the contractor from complying with any other provisions
of the contract.

b.   The contractor agrees to insert paragraph (a) of this clause   (R)
in any subcontract hereunder exceeding $500,000. When so
inserted, the word "Contractor" shall be changed to
"Subcontractors."

AUTHORITY: OPNAV INSTR 5200.29 dated 24 Feb 87
   (R)

PARTIAL LISTING
OF
DATA ITEM DESCRIPTIONS HAVING POTENTIAL GIDEP APPLICATIONS

This listing is not intended to be all-inclusive. Additional data item descriptions may generate data products which have GIDEP application.

Contractual data acquired to support GIDEP is selected from the data requirements generated by the acquisition/program/project offices. GIDEP input is accomplished by adding GIDEP as an addressee of the appropriate DD Form 1423, Contract Data Requirements List (CDRL), entry. The DD Form 1423 shall also indicate that when data items require SPAWAR acceptance only those data items that have received such acceptance shall be forwarded to the GIDEP Operations Center for incorporation into the appropriate Data Bank. Acquisition of technical data solely for the use of GIDEP is not authorized.

DATA ITEM DESCRIPTIONS

DID#	TITLE
DI-R-2057	Report, Test Electromagnetic Compatibility (EMI)
DI-R-2066	Report, Test, Electromagntic Interface/Electromagnetic Compatibility (EMI/EMC)
DI-R-2072	Report, Test
DI-R-2120	Report, Parts Reliability
DI-T-2154	Request, Approval of non-standard General Purpose Equipment Test Equipment (GDETE)
DI-R-3535/ R-103-2	Reliability and Maintainability Allocation, Assessments, and Analysis Report
DI-R-3544/ R-112-2	Reliability/Maintainability Assessment and Demonstration Reports
DI-R-5299C	Failure Analysis and Corrective Action Report

Enclosure (2)

DID#	TITLE
DI-T-5239	Inspection and Test Report
DI-S-6117A	Calibration/Measurement Requirements Summary (CMRS)
DI-E-7027	Program Parts Selection List (PPSL)
DI-E-7028	Nonstandard Approval Requests/ Proposed Additions to an Approved PPSL
DI-E-7030	Test Data for Nonstandard Parts
DI-R-7034	Reliability Test and Demonstration Reports (Final Report)
DI-R-7039	Reports, Failed Item Analysis
DI-R-7040	Reports, Burn-In Test
DI-H-7048	Report, Systems Safety Hazard Analysis
DI-H-7050	Report, Systems Safety Engineering
DI-R-7082	Reliability Prediction Report
DI-R-7084	Electronic Parts/Circuit Tolerance Analysis Report
DI-R-7085	Failure Mode, Effects, and Criticality Analysis Report
UDI-R-22574	Report, Radiation Hazard
UDI-R-22576A	Report, First Article Inspection
USI-S-22654	Report, Research and Dev. (for Electronic Equipment)
UDI-T-22710	Procedures, Test